Equipment Capabilities & Capacities
ISO 9001:2015 Certified

CNC Horizontal Machining Centers

(1) Mori Seiki NH5000 – Cat 40, 24” Cube, 10,000 RPM, 1000 PSI Thru Coolant, 60 ATC
(2) Mori Seiki NH6300 – Cat 50, 36” Cube, 8000 RPM, 1000 PSI Thru Coolant, 60 ATC
(2) Kitamura HX630i – Cat 50, 36” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 50 ATC
(1) Kitamura HX800iL – Cat 50, 59” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 100 ATC
(1) Kitamura HX800G – Cat 50, 60” Cube, 12,000 RPM, 1,000 PSI Thru Coolant, 62 ATC
(2) Toyoda FA800 – Cat 50, 48” Cube, 12,000 RPM, 350 PSI Thru Coolant, 120 ATC
(1) Toyoda FA1050 – Cat 50, 60” Cube, 6,000 RPM, 350 PSI Thru Coolant, 120 ATC
(Haimer Shrink Fit Balanced Tooling and Standard Modular Fixture Tables on all HMC’s w/interchangeable tombstones, fixtures, & vises)
(1) Mori Seiki NHX8000 – Cat 50, 55” Cube, 8,000 RPM, 1000 PSI Thru Coolant, 120 ATC
(1) Kitamura HX630G – Cat 50, 36” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 50 ATC

CNC Vertical Machining Centers

(1) Mori Seiki SV503B – Cat 40, 20”x 40”, 10,000 RPM, 1000 PSI Thru Coolant, 30 ATC, SMW Set-Up Switcher, and Cincinnati Full Contouring 4th Axis Rotary
(1) Mori-Seiki NV5000 – Cat 50, 20” x 40”, 8000 RPM, 1000 PSI Thru Coolant, 30 ATC
(1) Mori-Seiki ML300 Partner – Cat 40, 18” x 120”, 6000 RPM, 30 ATC
(1) Bridgeport VMC 1000 XP – Cat 40, 20” x 40”, 10,000 RPM, 30 ATC, (1) w/SMW Set-Up Switcher
(1) Brother TC32BN Tapping Center – BT-30, 16” x 22”, 16,000 RPM, 40 ATC
(1) Toyoda FV1165 – Cat 40, 25” x 43”, 8,000 RPM, 30 ATC
(1) Haas TM-2P – Cat 40, 16” x 40”, 6,000 RPM, 20 ATC

CNC Horizontal Boring Mills

(1) G&L – 5” Spindle, 72”V x 96” H w/rotary table
(1) G&L – 5” Spindle, 96”V x 120” H w/rotary table
(1) Ikegai – 5” Spindle, 98”V x 138”H w/Full Contouring 4th Axis
(1) Mitsubishi MAF150E-2022 – 6” Spindle, 118”V x 157.5”H w/ Full Contouring 4th Axis (44,000 lb. max weight capacity)

5 Axis Machining Centers

(1) DMS 5-Axis Continuous Motion Router – 72” x 156” x 48”, 24 HP, 18,000RPM, 24 ATC
Equipment Capabilities & Capacities
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CNC Vertical Turning Center

(1) **OM** – 54” Chuck, 64-1/2” Turning Diameter, 50” Turning Height, 17,000 lbs table capacity
(1) **OM** – 57” Chuck, 78” Turning Diameter, 59” Turning Height, 17,600 lbs table capacity
(1) **OM 12EX** – 49” Chuck, 57” Turning Diameter, 43” Turning Height, 8,800 lbs table capacity
(1) **OM** – with live tooling – 40” Chuck, 49” Turning Diameter, 29” Turning Height, 4,400 lbs table capacity
(1) **OM 16EX** – with live tooling – 63” Chuck, 48.7” Turning Diameter, 59” Turning Height, 17,640 lbs table capacity
(1) **Honor Seiki** – live tooling 57” Chuck, 78” Turning Diameter, 49” Turning Height, 18,000 lbs capacity

CNC Turning Center

(1) **Mori Seiki SL25** – 14” Swing, 30” between centers, 12 Station Turret
(1) **Mori Seiki SL35** – 17” Swing, 30” between centers, 12 Station Turret
(1) **Mori Seiki NL3000/1250** – 17” Swing, 48” between centers, 12 Station Turret w/6000 RPM live tooling capability
(2) **Mori Seiki NL3000/700** – 17” Swing, 28” between centers, 12 Station Turret w/6000 RPM live tooling capability
(1) **Romi M27** – 16” Swing, 120” between centers, 8 Station Turret
(2) **Romi M17** – 8” Swing, 30” between centers
(1) **Takisawa LA-250Y** – 13.8” Swing, 39” between centers, 12 Station Turret w/ 5000 RPM live tooling

Manual Boring Mills

(2) **Kuraki** – 4” Spindle, 48"V x 60” H w/DRO and rotary table
(1) **Kuraki** – 5” Spindle, 72”V x 84” H w/DRO

Manual Mills

(5) **ProtoTRAKs**
(3) **Bridgeports**
(1) **Fryer MB – 14Q 3 Axis Mill**

Manual Lathes

(5) Up To 33” Dia. (25” Over Carriage) x 157” Between Centers w/DRO
Equipment Capabilities & Capacities
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**Inspection**

(2) CMM Up To 40” x 40” x 32”

**Grinders**

(2) Rotary Surface Grinders to 42” Dia. Chuck
(3) Reciprocating Table Surface Grinders to 24” x 96”
(3) OD Grinders to 14” Dia.
(1) ID Grinders to 14” Dia. x 12

**Assembly & Fabrication**

(1) CNC Tube Bender
(2) Mandrel Benders up to 2.5” Diameter Solid Stock
(2) 25 Ton Crane Capacities
(3) 10 Ton Cranes
(5) 5 Ton Cranes
Welding – Heli-Arc, Aluminum, Stainless Steel, etc.
20,000 Square Feet Assembly Area

**Miscellaneous**

Keyseaters
Hone
Drill Presses
Saws

**Software**

(14) MasterCAM X7 Axis w/solids
(2) MasterCAM Lathe
(2) G Zero Lathe
(3) Solidworks 2014
(1) Autocad 2005
Capable of translating most automotive industry software package

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